

## **PSEGESPEnveRAIPEm Resource**

---

**From:** Fetter, Allen  
**Sent:** Friday, August 31, 2012 9:52 AM  
**To:** PSEGRAIResponses@pseg.com  
**Cc:** PSEGESPEnveRAIPEm Resource; Robillard, David L; Mallon, James; Hsia, Anthony; Silvia, Andrea; Saulsbury, James; Zimmerman, Gregory P.  
**Subject:** PSEG Site ESPA Final RAI Env-10 (e-RAI\_6738)  
**Attachments:** PSEG Site ESPA Final RAI Env-10 (eRAI\_6738).pdf

Please find attached RAI Env-10 for the PSEG Site ESP Application. The Env-10 RAI is an aggregate of the rRH draft RAIs that were provided to you on July 20, 2012 as part of a complete table of draft RAIs. At your request, a clarification discussion of rRH-10 was held on August 14, 2012. No changes were made to rRH-10 to and no other changes are necessary; hence we are issuing this RAI as final.

The schedule we have established to the review of your application assumes technically correct and complete responses within 30 calendar days of receipt of RAIs. For any RAIs that cannot be responded to within 30 calendar days, it is expected that a date for receipt of this information will be provided to the staff within the 30-day period so that the staff can assess how this information might impact the published schedule.

Please contact me if you have any questions.

Allen H. Fetter, Project Manager  
US Nuclear Regulatory Commission  
Office of New Reactors  
Division of New Reactor Licensing  
Environmental Projects Branch 2  
Washington, D.C.

301-415-8556 (Office)  
301-832-4909 (Mobile)

**Hearing Identifier:** PSEG\_Site\_EarlySitePermit\_Env\_RAI  
**Email Number:** 13

**Mail Envelope Properties** (4AD1A659C92C8546AA34BFB9D10564E475FA4A89D8)

**Subject:** PSEG Site ESPA Final RAI Env-10 (e-RAI\_6738)  
**Sent Date:** 8/31/2012 9:52:20 AM  
**Received Date:** 8/31/2012 9:52:22 AM  
**From:** Fetter, Allen

**Created By:** Allen.Fetter@nrc.gov

**Recipients:**

"PSEGESPEnveRAIPEm Resource" <PSEGESPEnveRAIPEm.Resource@nrc.gov>  
Tracking Status: None  
"Robillard, David L" <David.Robillard@pseg.com>  
Tracking Status: None  
"Mallon, James" <James.Mallon@pseg.com>  
Tracking Status: None  
"Hsia, Anthony" <Anthony.Hsia@nrc.gov>  
Tracking Status: None  
"Silvia, Andrea" <Andrea.Silvia@nrc.gov>  
Tracking Status: None  
"Saulsbury, James" <saulsburyjw@ornl.gov>  
Tracking Status: None  
"Zimmerman, Gregory P." <zimmermangp@ornl.gov>  
Tracking Status: None  
"PSEGRAIResponses@pseg.com" <PSEGRAIResponses@pseg.com>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

| <b>Files</b>                                    | <b>Size</b> | <b>Date &amp; Time</b> |
|---|-------------|------------------------|
| MESSAGE   | 1146        | 8/31/2012 9:52:22 AM   |
| PSEG Site ESPA Final RAI Env-10 (eRAI_6738).pdf |             | 63787                  |

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

**Request for Additional Information Env-10**

Issue Date: 8/31/2012

Application Title: PSEG Site ESP Environmental Review - Docket 52-043

Operating Company: PSEG Power LLC, PSEG Nuclear LLC

Docket No. 52-043

Review Section: ESP EIS 4.9 - Radiation Exposure to Construction Workers

Application Section: ER

**QUESTIONS**

**ESP EIS 4.9-1**

rRH-07: Provide the list and location of direct radiation sources on the site and the calculation package for how the dose rates to construction workers from direct radiation sources were calculated.

Supporting Information: ER Section 4.5 does not explicitly provide a list and location of the direct radiation sources and how the dose rates to construction workers from direct radiation sources were calculated. This information is needed to evaluate the dose to construction workers from direct sources as described in ESRP 4.5.

**ESP EIS 4.9-2**

rRH-08: Provide the calculation package for the number and locations of construction worker who would be exposed to the radiation sources at the site and the amount of time per year that they would spend at those locations.

Supporting Information: ER Section 4.5 does not explicitly provide the calculations performed to determine the dose to construction workers. This information is needed to evaluate the dose to construction workers as described in ESRP 4.5.

**ESP EIS 4.9-3**

rRH-10: Provide additional information of how the radiological health impacts were evaluated as a part of the comparison of the proposed and alternative sites.

Supporting Information: ER Section 9.3.2 does not explicitly address the radiological health impacts in a comparison of the proposed and alternative sites. An evaluation of the radiological health effects based on available reconnaissance level information (e.g., survey of nearby residents, demographic information of the population within a 50- mi. radius, etc.) for the alternative sites is needed for the comparison of the proposed and alternative sites as described in ESRP 9.3. In particular, explain how such reconnaissance level environmental and health impact information was used to predict site-specific impacts, and how the impacts were assembled for a site-to-site comparison.